NOTES UNLESS OTHERWISE SPECIFIED

REV.	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR.
	SEE SHT 1				

LASER HEAD
(REF 0447-4260)

UMBILICAL
(ASSY 0447-0480)

MARX TRIG
RTN (CONT. SH 1)

MARX TRIG
RTN

J4

J2

4	SHIELD	
3	SAFETY GND	32
7	SEEDER INTERLOCK	16
6	SEEDER INTERLOCK	23
17	120VAC EMISSION	14
15	120VAC EMISSION	15
13	120VAC FAN	19
11	120VAC FAN	20
13	120VAC SEEDER	17
11	120VAC SEEDER	18
13	120VAC HG	21
11	120VAC HG	22
9	6.3VAC ICE	28
8	6.3 VAC ICE	33
24	MARX H.V. 550V	1
20	START CKT 200V	4
5	RETURN	31
2	SPARE	13
1	SPARE	24
	SPARE	25
	PER +5V	34
	PER 20	35
	PER 21	36
	MARX RELAY	30
	MARX RTN	29
	INTERLOCK A	37
	INTERLOCK D	27
	PER 22	26

J3

	SHIELD	7
	PWR - A	1
	PWR - B	3
	PWR - C	6
	INTERLOCK C	5
	INTERLOCK B	12
	GND	15
	PWR + A	1
	PWR + B	7
	PWR + C	10

J2

J1

A2
POWER PCB ASSY
0447-0510

(CONTINUED ON SH 1)

(REF CABLE 0447-1280)

(REF CABLE 0447-1270)

J23 J22 J23 J22 J20

LVPS (CONTINUED SH1) 115 VAC

PUMP 115 VAC

FRONT PANEL FAN 115VAC

WATER/WATER CIRCULATING FAN 115 VAC

K6 KEY SWITCH

K8 COVER

K9 FLOW

K10 CDRH

T5 AUTOFORMER
240 220 208 200 180 115 105

208 VAC

T6 SIMMER XFRMR

2KV VAC

CR1

R1-R8 2.5K 55W

AIR/WATER FAN

POWER FANS

AIR/WATER AC FAN CONTROLLER PCB A4

J2

A3 SIMMER PCB ASSY 0447-2220

WATER TEMP SENSOR

(REF CABLE 0447-4840)

1φ 208 AC LINE

K7 MAIN CIRCUIT BREAKER

K5 208VAC POWER CONTACTOR

F19 30A
F20 30A
F21 30A
F22 30A

SMPS A

SMPS B

C1 75μ / 135μ 1500V

K11 HIGH VOLTAGE SWITCH (POWER MODULE)

L1 44.5 μHy (AIR CORE TOROID)

(REF AC WIRE KIT 0447-3790)

(REF PFN WIRE KIT 0447-3780)

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DWN.	LAWRENCE	9/14/92
CHK.		
ENG.	LAWRENCE	9-14-92
MFG.		
MODEL	NEXT ASSY.	
T1		
FINISH:		

Spectra-Physics
SANJOSE CA 95134

CONFIDENTIAL: SPECTRA-PHYSICS PROPRIETARY

TOLERANCES, UNLESS OTHERWISE SPECIFIED:
.X ± mm: ±
.XX ± ANGLES: ±
.XXX ± SURF. FIN. ✓

GENERAL TOLERANCES PER S-P DOCUMENT NO. C-5124

SYSTEMS DIAGRAM, POWER SUPPLY

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
	D	0447-4260	2 OF 2	B

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